

### **ABSTRACT**

The invention provides methods for separating outer birch bark from inner birch bark. The invention also provides methods for isolating betulin; lupeol; betulinic acid; 9,10-epoxy-18-hydroxyoctadecanoic acid; 9,10,18-  
5 trihydroxyoctadecanoic acid; polyphenolic polymers and fatty acids from birch bark.